

*(Only for new nonprovisional applications under 37 CFR § 1.53(b))*

|                        |   |                     |
|------------------------|---|---------------------|
| Attorney Docket No.    |   | 0942.5030001//RWE   |
| First Inventor         |   | Robert Jason Potter |
| Title                  | High Fidelity Reverse Transcriptases and Uses Thereof |                     |
| Express Mail Label No. |   |                     |

*See MPEP chapter 600 concerning utility patent application contents.*

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17) (in duplicate)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 75]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 7]
5. Oath or Declaration [Total Pages \_\_\_\_\_]  
a. ☐ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR §§  
1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76.

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program  
(Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☒ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☒ paper
- c. ☐ Statements verifying identity of above copies
- U.S. PAT. & TM. OFFICE  
09/808124  
03/15/01

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (2)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Authorization under 37 C.F.R. § 1.136(a)(3) (in duplicate)
- ☐ Other: The name of the assignee is: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation      ☐ Divisional      ☐ Continuation-in-Part (CIP)      of prior application No: \_\_\_\_/\_\_\_\_  
*Prior application information:*      *Examiner*      *Group/Art Unit:* \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

### 18. CORRESPONDENCE ADDRESS

☒ *Customer Number or Bar Code Label*

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PATENT TRADEMARK OFFICE

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*or* ☐ *Correspondence address below*

|         |   |           |  |          |  |
|---------|---|-----------|--|----------|--|
| NAME    | STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. |           |  |          |  |
|         | Attorneys at Law                          |           |  |          |  |
| ADDRESS |   |           |  |          |  |
| CITY    |   | STATE     |  | ZIP CODE |  |
| COUNTRY |   | TELEPHONE |  | FAX      |  |

|                   |                         |                                   |                |
|-------------------|-------------------------|-----------------------------------|----------------|
| NAME (Print/Type) | Robert W. Esmond        | Registration No. (Attorney/Agent) | 32,893         |
| SIGNATURE         | <i>Robert W. Esmond</i> | Date                              | March 15, 2001 |

Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

**sbo5**

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**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT (\$1,506.00)****Complete if Known**

|                             |                            |
|-----------------------------|----------------------------|
| <b>Application Number</b>   | <b>To be assigned</b>      |
| <b>Filing Date</b>          | <b>Herewith</b>            |
| <b>First Named Inventor</b> | <b>Robert Jason Potter</b> |
| <b>Examiner Name</b>        | <b>To be assigned</b>      |
| <b>Group Art Unit</b>       | <b>To be assigned</b>      |
| <b>Attorney Docket No.</b>  | <b>0942.5030001/RWE</b>    |

**METHOD OF PAYMENT (check one)**

- 1.
- ☐
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

|                        |   |
|------------------------|---|
| Deposit Account Number | 19-0036                                   |
| Deposit Account Name   | Sterne, Kessler, Goldstein & Fox P.L.L.C. |

- ☐
- Charge Any Additional Fee Required
- 
- Under 37 CFR §§ 1.16 and 1.17

- ☐
- Applicant claims small entity status
- 
- See 37 CFR 1.27

☒ Payment Enclosed:☒ Check ☐ Credit card ☐ Money Order ☒ Other\*

\*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.

**FEE CALCULATION****1. BASIC FILING FEE**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 101            | 710             | 201            | 355             | Utility filing fee     | 710.00   |
| 106            | 320             | 206            | 160             | Design filing fee      |          |
| 107            | 490             | 207            | 245             | Plant filing fee       |          |
| 108            | 710             | 208            | 355             | Reissue filing fee     |          |
| 114            | 150             | 214            | 75              | Provisional filing fee |          |

**SUBTOTAL (1) (\$ 710.00)****2. EXTRA CLAIM FEES**

| Extra                              | Fee from below | Fee Paid |
|------------------------------------|----------------|----------|
| Total Claims <u>62</u> - 20** = 42 | X 18           | = 756.00 |
| Indep. Claims <u>1</u> - 3** = 0   | X 0            | = 0      |
| Multiple Dependent                 | 0              | = 0      |

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   |
|----------------|-----------------|----------------|-----------------|---|
| 103            | 18              | 203            | 9               | Claims in excess of 20                                    |
| 102            | 80              | 202            | 40              | Independent claims in excess of 3                         |
| 104            | 270             | 204            | 135             | Multiple dependent claim                                  |
| 108            | 80              | 209            | 40              | **Reissue independent claims over original patent         |
| 110            | 18              | 210            | 9               | **Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2) (\$ 756.00)**

\*\* or number previously paid, if greater. For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  | Fee paid |
|----------|----------|----------|----------|--|----------|
| 105      | 130      | 205      | 65       | Surcharge - late filing fee or oath  |          |
| 127      | 50       | 227      | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139      | 130      | 139      | 130      | Non-English specification  |          |
| 147      | 2,520    | 147      | 2,520    | For filing a request for <i>ex parte</i> reexamination                     |          |
| 112      | 920*     | 112      | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 113      | 1,840*   | 113      | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 115      | 110      | 215      | 55       | Extension for reply within first month                                     |          |
| 116      | 390      | 216      | 195      | Extension for reply within second month                                    |          |
| 117      | 890      | 217      | 445      | Extension for reply within third month                                     |          |
| 118      | 1,390    | 218      | 695      | Extension for reply within fourth month                                    |          |
| 128      | 1,890    | 228      | 945      | Extension for reply within fifth month                                     |          |
| 119      | 310      | 219      | 155      | Notice of Appeal   |          |
| 120      | 310      | 220      | 155      | Filing a brief in support of an appeal                                     |          |
| 121      | 270      | 221      | 135      | Request for oral hearing   |          |
| 138      | 1,510    | 138      | 1,510    | Petition to institute a public use proceeding                              |          |
| 140      | 110      | 240      | 55       | Petition to revive - unavoidable   |          |
| 141      | 1,240    | 241      | 620      | Petition to revive - unintentional   |          |
| 142      | 1,240    | 242      | 620      | Utility issue fee (or reissue)   |          |
| 143      | 440      | 243      | 220      | Design issue fee   |          |
| 144      | 600      | 244      | 300      | Plant issue fee  |          |
| 122      | 130      | 122      | 130      | Petitions to the Commissioner  |          |
| 123      | 130      | 123      | 130      | Petitions related to provisional applications                              |          |
| 126      | 180      | 126      | 180      | Submission of Information Disclosure Stmt                                  |          |
| 581      | 40       | 481      | 40       | Recording each patent assignment per property (times number of properties) | 40.00    |
| 146      | 710      | 246      | 355      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 149      | 710      | 249      | 355      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 179      | 710      | 279      | 355      | Request for Continued Examination (RCE)                                    |          |
| 169      | 900      | 169      | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify):

Other fee (specify):

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$ 40.00)****SUBMITTED BY****Complete (if applicable)**

|                          |                         |  |                |                  |              |
|--------------------------|-------------------------|--|----------------|------------------|--------------|
| <b>Name (Print/Type)</b> | Robert W. Esmond        | <b>Registration No. (Attorney/Agent)</b> | 32,893         | <b>Telephone</b> | 202-371-2600 |
| <b>Signature</b>         | <i>Robert W. Esmond</i> | <b>Date</b>                              | March 15, 2001 |                  |              |

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STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

ATTORNEYS AT LAW

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\*\*REGISTERED PATENT AGENT  
\*\*\*SENIOR COUNSEL

March 15, 2001

WRITER'S DIRECT NUMBER:  
(202) 371-2560

INTERNET ADDRESS:  
RESMOND@SKGF.COM

Commissioner for Patents  
Washington, D.C. 20231

Box: Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
Appl. No. To be assigned; Filed: Herewith  
For: **High Fidelity Reverse Transcriptases and Uses Thereof**  
Inventor: Robert Jason Potter  
Our Ref: 0942.5030001/RWE

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.  
Patent and Trademark Office:

1. Fee Transmittal Form (PTO-SB-17) (*in duplicate*);
2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
3. U.S. Utility Patent Application entitled:

**High Fidelity Reverse Transcriptases and Uses Thereof**

and naming as inventor:

Robert Jason Potter;

the application consisting of:

0942.5030001-RWE

Commissioner for Patents

March 15, 2001

Page 2

- 09800124-031504  
FILED
- a. A specification containing:
    - i. 65 pages of description prior to the claims;
    - ii. 9 pages of claims (62 claims);
    - iii. a one (1) page abstract;
  - b. Seven (7) sheets of drawings: (Figures 1-7);
  - c. A paper copy of the Sequence Listing and a copy of the Sequence Listing in computer readable format; the paper copy and computer readable copies are the same; and
  - d. Application Data Sheet;
  4. Recordation Form Cover Sheet (Form PTO-1595);
  5. Assignment to Invitrogen Corporation, official recordation and return of which is respectfully requested;
  6. 37 C.F.R. § 1.136(a)(3) Authorization to Treat a Reply As Incorporating An Extension of Time (*in duplicate*);
  7. Two (2) return postcards; and
  8. Our check No. 30079 for \$1,506.00 to cover:
    - \$710.00 Filing fee for patent application;
    - \$40.00 Assignment recordation fees; and
    - \$756.00 Total Claims in Excess of 20.

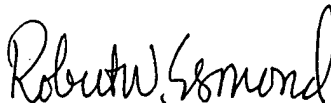
It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Commissioner for Patents  
March 15, 2001  
Page 3

A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert W. Esmond  
Attorney for Applicants  
Registration No. 32,893

RWE/CEJ:amm  
Enclosures

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SKGF Rev. 8/1/00 mac

0942-5030001-PTO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Robert Jason Potter

Appl. No. To be assigned

Filed: To be assigned

For: **High Fidelity Reverse  
Transcriptases and Uses Thereof**

Art Unit: To be assigned

Examiner: To be assigned

Atty. Docket: 0942.5030001/RWE

**Authorization To Treat A Reply As Incorporating An Extension Of  
Time Under 37 C.F.R. § 1.136(a)(3)**


Commissioner for Patents  
Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert W. Esmond  
Attorney for Applicants  
Registration No. 32,893

Date: March 15, 2001  
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09808124-031501  
TOSTED-42180860